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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

ATTY. DOCKET NO.	APPLICATION NO.
MVIEWD.1A2DV1	09/839,946
APPLICANT: Williams, et al.	
FILING DATE: April 19, 2001	GROUP: Unknown 1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
JC8	1	3,616,231	10/26/71	Bergmeyer et al.	195	66	
	2	4,460,683	07/17/84	Gloger et al.	435	10	
	3	4,766,106	08/23/88	Katre et al.	514	12	
	4	4,847,325	07/11/89	Shadle et al.	525	54.1	
	5	5,286,637	02/15/94	Veronese et al.	435	183	
	6	5,382,518	01/17/95	Caput et al.	435	191	
	7	5,541,098	07/30/96	Caput et al.	435	191	
	8	5,612,460	03/18/97	Zalipsky	530	391.9	
	9	5,653,974	08/05/97	Hung et al.	424	85.1	
	10	5,643,575	07/01/97	Martinez et al.	424	194.1	
JC6	11	5,880,255	03/09/99	Delgado et al.	530	303	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
JC8	12	DD 279 486 A1	06/06/90	East Germany				X
	13	DD 279 486 A1	06/06/90	East Germany-Abstract			X	
	14	09154581	06/17/97	Japan				X
	15	09154581	06/17/97	Japan-Abstract			X	
JC6	16	WO 94/19007	09/01/94	PCT				

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
JC0	17	Abuchowski et al., (1976), Effect of Covalent Attachment of Polyethylene Glycol on Immunogenicity and Circulating Life of Bovine Liver Catalase, The Journal of Biochemical Chemistry 252:3582-3586
	18	Burnham, Nora, (1994), Polymers for Delivering Peptides and Proteins, Am. J Hosp Pharm. 51:210-218
	19	Chua et al., (1988), Use of Polyethylene Glycol-Modified Uricase (PEG-Uricase) to Treat Hyperuricemia in a Patient with Non-Hodgkin Lymphoma, Annals of Internal Medicine 109:114-117.
	20	Davis et al., (1981), Hypouricaemic Effect of Polyethyleneglycol Modified Urate Oxide, The Lancet pgs. 281-283.
JC3	21	Davis et al., (1978), Enzyme-Polyethylene Glycol Adducts: Modified Enzymes with Unique Properties, Enzyme Engineering 4:169-173.

EXAMINER	T. Saidha	DATE CONSIDERED	2/26/04

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EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
JG	22	Donadio et al., (1981), Manifestation De Type Anaphylactique Apres Injection Intra-Veineuse D'urate-Oxydase Chez Un Enfant Asthmatique Atteint De Leucemie Aigue, La Nouvelle Presse Medicale **28**:711-712.
	23	Fam (1990), Strategies and Controversies in the Treatment of Gout and Hyperuricaemia. Clinical Rheumatology International Practice and Research **4**:177-192.
	24	Hande et al., (1984), Severe Allopurinol Toxicity, The American Journal of Medicine **76**:47-56.
	25	Hedlund et al., (1991), Magnetic Resonance Microscopy of Toxic Renal Injury Induced by Bromoethylamine in Rats, Fundamental and Applied Toxicology **16**:787-797.
	26	Kahn, et al., (1997), Kinetic Mechanism and Cofactor Content of Soybean Root Nodule Urate Oxidase, American Chemical Society 36:4731-4738.
	27	Kunitani et al., (1991), On-Line Characterization of Polyethylene Glycol-Modified Proteins, Journal of Chromatography **588**:125-137.
	28	Leach et al., (1998), Efficacy of Urate Oxidase (Uricozyme) in Tumor Lysis Induced Urate Nephropathy, Blackwell Science Limited **20**:169-172.
	29	Legoux et al., (1991), Cloning and Expression in Escherichia coli of the Gene Encoding Aspergillus flavus Urate Oxidase The Journal of Biological Chemistry **267**:8565-8570.
	30	Mahmound et al., (1998), Advances in the Management of Malignancy-Associated Hyperuricaemia, British Journal of Cancer **77**:18-20.
	31	Miura et al., (1994), Urate Oxidase is Imported into Peroxisomes Recognizing the C-terminal SKL Motif of Proteins, Eur. J. Biochem 223:141-146.
	32	Nishimura et al., (1981), Improved Modification of Yeast Uricase with Polyethylene Glycol, Accompanied with Nonimmunoreactivity towards Anti-Uricase Serum and High Enzymic Activity, Enzyme **26**:49-53.
	33	Nucci et al., (1991), The Therapeutic Value of Poly(Ethylene Glycol)-Modified Proteins, Advanced Drug Delivery Reviews **6**:133-151.
	34	Pui et al., (1997), Urate Oxidase in Prevention and Treatment of Hyperuricemia Associated with Lymphoid Malignancies, Leukemia **11**:1813-1816.
	35	Shearwater Polymers, Inc. (1997-1998), Functionalized Biocompatible Polymers for Research and Pharmaceuticals, Shearwater Polymers, Inc. Catalog. 27, 47, 48.
	36	Saifer, et al., (1994), Plasma Clearance and Immunologic Properties of Long-Acting Superoxide Dismutase Prepared Using 35,000 to 120,000 Dalton Poly-Ethylene Glycol, Advances in Experimental Medicine and Biology **366**:377-387.
	37	Sartore et al., (1991), Enzyme Modification by MPEG with an Amino Acid or Peptide as Spacer Arms, Applied Biochemistry and Biotechnology **27**: 45-54.
	38	Venkataseshan et al., (1990), Acute Hyperuricemic Nephropathy and Renal Failure after Transplantation, Nephron **56**:317-321.
	39	Veronese et al., (1985), Surface Modification of Proteins, Applied Biochemistry and Biotechnology **11**:141-152.
	40	Veronese et al., (1997), New Synthetic Polymers for Enzyme and Liposome Modification *in* Poly(ethylene Glycol) Chemistry and Biological Applications, Chapter 13:182-192.
	41	Wu et al., (1989), Urate Oxidase: Primary Structure and Evolutionary Implications Proc. Natl. Acac. Sci. USA **86**:9412-9416.
	42	Wu et al, (1984), Hyperuricemia and Urate Nephropathy in Urate Oxidase-Deficient Mice Proc. Natl. Acad. Sci. USA **91**:742-746.
JG	43	Yasuda et al., (1990), Biochemical and Biopharmaceutical Properties of Macromolecualr Conjugates of Uricase with Dextran and Polyethylene Glycol. Chem. Pharm. Bull. **38**:2053-2056.

EXAMINER T. Sarabha	DATE CONSIDERED 2/26/04

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THIRD SUPPLEMENTAL
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2057.0090003/JAG/BJD	09/839,946
APPLICANT: Williams *et al.*	
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U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

JS	AR	19	Wang, X., *et al.*, "Rat urate oxidase: cloning and structural analysis of the gene and 5'-flanking region," *Gene* 97:223-229 (1991).
JS	AS	19	Alvares, K., *et al.*, "The nucleotide sequence of a full length cDNA clone encoding rat liver urate oxidase," *Biochem. Biophys. Res. Commun.* 158:991-995 (1989) (abstract only).
JS	AT	19	NCBI Entrez Protein (PRF) Database, deposited sequence for rat urate oxidase (NP 446220), National Library of Medicine, National Institutes of Health, Accession No. 20127395, available online at http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?CMD=Search&DB=protein (accessed December 10, 2003).

EXAMINER: T. Saidha — DATE CONSIDERED: 2/26/04

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TJS	AR	19	Wang, X., *et al.*, "Rat urate oxidase: cloning and structural analysis of the gene and 5'-flanking region," *Gene* 97:223-229 (1991).
TJS	AS	19	Alvares, K., *et al.*, "The nucleotide sequence of a full length cDNA clone encoding rat liver urate oxidase," *Biochem. Biophys. Res. Commun.* 158:991-995 (1989) (abstract only).
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